

IoT: Client Devices

What is the Internet of Things?

Internet of Things

So what exactly is this *Internet of Things*?

Things we Think About

Cloud Cameras

Typical programmable, home-based, cloud-enabled cameras with embedded micro-controllers

Smart Plugs

Programmable power outlets you can use from your cell phone, integrate with smart home hubs, and use remotely

Smart Bulbs

Programmable bulbs that provide things like voice control, remote management, and energy savings

Things we Think About

Cloud Camera

*Typical programmable
embedded micro*

Smart Plugs

*Programmable p
with smart home*

Smart Bulbs

*Programmable bulbs that provide things like voice control, remote
management, and energy savings*

Consumer Devices

Things We Don't Think About

Medical Devices

Pacemakers, medical monitors, insulin pumps, capital equipment tracking devices

Tracking Hardware

Used in warehouses and business, tags that allow you to track material goods; inventory, locations, etc.

Utility Metering

Smart grid integration, lower energy billing costs, remote surge energy monitoring and control, other remote management

Things We Don't Think About

Medical Devices

*Pacemakers, medical
devices*

Tracking Hardware

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Utility Metering

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Asset tracking

Track material

Industrial Devices

What is the Internet of Things?

The internet of things are networks of devices connected to the larger internet. The devices are:

- Small
- Cheap
- Low-power
- Low-margin

What is the Internet of Things?

And they usually have:

- An Operating system
- Network Communication
- Computational Power
- Application software